

Requirements NMME SEASONAL (by Huug van den Dool, 4/7/11)

- 0) Real-time model = hindcast model (real-time IC vs hindcast IC)
- 1) Start times hindcasts, best is all 12 months. (Details, follow CFSv2 lay-out would be good)
- 2) Leads out to 9 months, more is better
- 3) Hindcast years, 30 years is minimum. Anything longer is better. (1981-2010 helps).
AC>=0.20 issue. (SST survives CV3RE better.)
- 4) Number of ensemble members. This is up to originator, but we assume he/she understands that 1 ensemble member would keep skill down, and for N > “threshold” returns are diminishing, so they have to make a wise choice.
- 5) We collect all members, not only the ensemble mean. (Compare IRI plume v2 to-be)
- 6) We prefer total fields (not anomalies), and no systematic error correction at the originator’s end please. (We will do that for you)
- 7) Resolution and physics of the model, entirely up to originators
- 8) Required output would minimally be monthly means of global SST, T2m, prate,SLP, Z200.

Other points:

-) What is operations? Models in <= 8th of the month
-) Reread 2007 R2O guidelines, 50% still applies
-) Preliminary assessment (May/Nov ICs)
-) Model updates for models that have been part of NMME
-) Resources at NCEP/CPC to evaluate hindcasts, combine models and make real time delivery.